

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13AB-CO		Page 1 of 8
Title: Specific Requirements for Colorado Finished Drinking Water		
Revision: Original	Replaces: N/A	Effective: 04/01/03

1. Purpose:

To provide a listing of PDP identified required compounds for finished drinking water.

2. Scope:

This standard operating procedure (SOP) shall be followed by the Colorado Department of Agriculture laboratory analyzing finished drinking water samples for PDP.

3. Outline of Procedure:

- 5.1 Compounds Required for Colorado Finished Drinking Water Multi-residue Screen
- 5.2 Marker Pesticides for Colorado Finished Drinking Water Multi-residue Screen

4. References:

- Colorado Department of Agriculture Finished Drinking Water Method Validation, September 2002
 - USDA/AMS-EPA Planning Meeting, March 14, 2001
 - USDA/AMS PDP Quality Assurance(QA)/Technical Meeting, February 21-22, 2001
 - PDP Program Plan January – June 2001
 - Memo from Cathy Eiden, EPA/OPP/HED, to Tom Gilding, ACPA, Follow-up to October 28, 1998, Work Group Meeting
 - PDP/Drinking Water Monitoring Work Group Meeting, October 28, 1998
 - PDP/Drinking Water Monitoring Work Group Meeting, September 8, 1998
 - USGS NAWQA Program Constituents (Occurrence Based)
 - US EPA OGWDW/OW, Regulated Contaminants
 - US EPA OGWDW/OW, Pesticides Considered Occurrence Priorities under the Candidate Contaminant List (CCL)
 - US EPA OGWDW/OW, Pesticides under Unregulated Contaminants Monitoring
 - US EPA OPP Potential PDP List, Scheduled REDs
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5. Specific Procedures:

This SOP represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

5.1 Compounds Required for Colorado Finished Drinking Water Multi-residue Screen

Finished Drinking Water Compound	Pest Code
3,5-Dichloroaniline	ABM
Acetochlor	807
Acetochlor ethanesulfonic acid (ESA)	ABN
Acetochlor oxanilic acid (OA)	ABO
Alachlor oxanilic acid (OA)	ABQ
Aldrin	001
Atrazine	305
Azinphos methyl	042
Barban	716
Benfluralin	191
BHC alpha	903
Bifenthrin	930
Butylate	783
Captan	011
Carbophenothion	202
Chlordane cis	173
Chlordane trans	172
Chlorfenvinphos total	AAK
Chlorothalonil	164
Chlorpyrifos	160
Chlorpyrifos methyl	235
Chlorpyrifos O-analog	772
Coumaphos	124
Coumaphos O-analog	614
Cyanazine	228

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Finished Drinking Water Compound	Pest Code
Cypermethrin	597
DCPA	134
DDE o,p'	911
DDE p,p'	910
DEF (Tribufos)	217
Desethyl atrazine	964
Desisopropyl atrazine	785
Diazinon	024
Diazinon O-analog	395
Dichlobenil	324
Dichlorvos (DDVP)	338
Dicofol p,p'	254
Dicrotophos	209
Dieldrin	028
Dimethoate	171
Diphenamid	330
Disulfoton	117
Endosulfan I	900
Endosulfan II	901
Endosulfan sulfate	902
Endrin	034
EPTC	200
Esfenvalerate	714
Ethalfuralin	721
Ethion	107
Ethion di oxon	538
Ethion mono oxon	AAX
Ethoprop	175
Fenamiphos	236
Fenamiphos sulfone	745
Fenitrothion	391
Fenitrothion O-analog	648
Fenthion	177
Fenthion O-analog	691

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Finished Drinking Water Compound	Pest Code
Fluometuron	ABX
Fonofos	163
Heptachlor	044
Heptachlor epoxide	143
Hexachlorobenzene (HCB)	321
Imazalil	604
Iprodione	626
Isofenphos	258
Isofenphos O-analog	655
Lactofen	A38
Lindane (BHC gamma)	050
Malathion	052
Metalaxyl	607
Methidathion	197
Methidathion O-analog	ACE
Methoxychlor total	055
Metolachlor	283
Metolachlor ethanesulfonic acid (ESA)	ACG
Metolachlor oxanilic acid (OA)	ACH
Metribuzin	181
Mevinphos total	069
Molinate	778
Monuron	046
Myclobutanil	679
N-(3-hydroxy)propyl EPTC	ACK
Napropamide	594
Oxadiazon	625
Oxychlordan	349
Oxydemeton methyl	219
Oxyfluorfen	713
Parathion methyl O-analog	779
Parathion O-analog	370
Pebulate	161
Pendimethalin	230

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Finished Drinking Water Compound	Pest Code
Permethrin cis	222
Permethrin trans	223
Phorate	148
Phorate O-analog	928
Phorate sulfone	189
Phorate sulfoxide	190
Phosalone	166
Phosalone O-analog	929
Phosmet	165
Phosphamidon	203
Pirimiphos methyl	562
Profenofos	224
Prometon	942
Prometryn	249
Propachlor	675
Propanil	341
Propargite	623
Propetamphos	636
S-(2-hydroxy)propyl EPTC	ACO
Simazine	149
Sulfotep	311
Sulprofos	609
Sulprofos O-analog	ACQ
Tebupirimfos	A59
Tebupirimfos O-analog	ACR
Tefluthrin	B26
Terbufos	205
Terbufos sulfone	963
Terbufos O-analog	A60
Tetrachlorvinphos	176
Tralomethrin	755
Triadimefon	608
Trifluralin	151
Vinclozolin	529

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5.2 Marker Pesticides for Colorado Finished Drinking Water Multi-residue Screen

To be determined by the analytical laboratory in consultation with the PDP Technical Director.

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Original

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Monitoring Programs Office

- Established testing profile and marker pesticides for finished drinking water analyzed by the Colorado Department of Agriculture laboratory